INTERNATIONAL SEARCH REPORT

Internation No PCT/CH2005/000120

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A. CLASS IPC 7	SIFICATION OF SUBJECT MATTER B21F33/04				
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	lo International Patent Classification (IPC) or to both national clas	sification and IPC	······································		
	S SEARCHED documentation searched (classification system followed by classification system followed by class	ication symbols)			
IPC 7	B21F				
Document	ation searched other than minimum documentation to the extent th	at such documents are includ	ed in the fields searched		
Electronic	data base consulted during the international search (name of data	base and where practical s	earch terms used)		
i e	ternal, PAJ				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Calegory °	Citation of document, with Indication, where appropriate, of the	relevant passages	Relevant to claim	No	
			neisvain (o dain	140.	
X	US 4 014 371 A (WALKER ET AL) 29 March 1977 (1977-03-29)	1,2,7,8	-		
Y	column 2, line 31 - line 61; fi	gure 2	3-6,9-16		
X	US 2 788 119 A (STURM HELMUT) 9 April 1957 (1957-04-09) column 2, line 54 - line 60; figures 1,2		1,2,7,8		
٨			,		
A	US 5 788 051 A (KNOEPFEL ET AL) 4 August 1998 (1998-08-04) cited in the application column 3, line 64 - column 4, li figures	ne 2;	1,7,15		
A	US 3 386 561 A (SPUHL WALTER) 4 June 1968 (1968-06-04) column 4, line 38 - column 5, li figures 8-11	ne 75;	1-12,15, 16		
		-/			
X Furth	er documents are listed in the continuation of box C.	X Patent family mem	pers are listed in annex.		
 Special cat 	egories of cited documents :	*T* later document publishe	d after the International filing date		
conside	nt defining the general state of the art which is not ered to be of particular relevance ocument but published on or after the international	or phonity date and not cited to understand the invention	in conflict with the application but principle or theory underlying the		
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diation 'O' docume: other m	or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or eans	cannot be considered to document is combined ments, such combination	elevance; the claimed invention to involve an inventive step when the with one or more other such docu- on being obvious to a person skilled		
'P' documer later tha	nt published prior to the international filing date but an the priority date claimed	in the art. *8* document member of the	•		
Date of the a	ctual completion of the international search	Date of mailing of the Inte	emational search report	\neg	
	June 2005	06/07/2005			
vame and ma	alling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Authorized officer Barrow, J			
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INTERNATIONAL SEARCH REPORT

International Application No PCT/CH2005/000120

		PCT/CH2005/000120			
C.(Continua Category *	otion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		I Delevent and the second		
Jaile gory 3	Chailon of Cocumbin, with indication, where appropriate, of the felevant passages	<u> </u>	Relevant to claim No.		
′	US 2003/075232 A1 (ARONSON TERRY) 24 April 2003 (2003-04-24) paragraph '0011! paragraph '0046! - paragraph '0048!; figures 1,8		5,6,11, 12		
	US 6 159 319 A (MOSSBECK ET AL) 12 December 2000 (2000-12-12) column 6, line 37 - line 41 column 8, line 40 - column 9, line 19; figures 5-14		13,14		
	US 3 193 136 A (STUMPF WALTER ET AL) 6 July 1965 (1965-07-06) column 13, line 39 - line 62; figures 2,26		3,4,9, 10,15,16		
		٠,			
	·				

INTERNATIONAL SEARCH REPORT

Formation on patent family members

Interracinal Application No PCT/CH2005/000120

Patent document dted in search report		Publication date		Patent family member(s)		Publication date
US 401437	1 A	29-03-1977	GB ·	1461671	Α	19-01-197
			BE	824102		02-05-197
•		•	FR	2257539	A1	08-08-1979
			ΙT	1026299	В	20-09-1978
			SE	7500212	Α	11-07-1975
US 278811	9 A	09-04-1957	NONE			
US 578805	1 A	04-08-1998	DE	19542844	A1	22-05-1997
			DE	59604752		27-04-2000
		•	EP	0774310	A1	21-05-1997
			ES	2145962	T3	16-07-2000
			JP	3313596	B2	12-08-2002
			JP .	9225751	Α	02-09-1997
US 338656:	l A	04-06-1968	DE	1552150	A1	12-02-1970
			GB	1152072	A	14-05-1969
US 2003075	5232 A1	24-04-2003	WO	03035304	A1	01-05-2003
US 6159319) A	12-12-2000	US	5885407	A	23-03-1999
			ΑU	6139399		17-04-2000
	·		WO	0018515	A1	06-04-2000
US 3193136	A	06-07-1965	NONE			